

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



10/521388



(43) International Publication Date  
11 March 2004 (11.03.2004)

PCT

(10) International Publication Number  
WO 2004/021636 A1

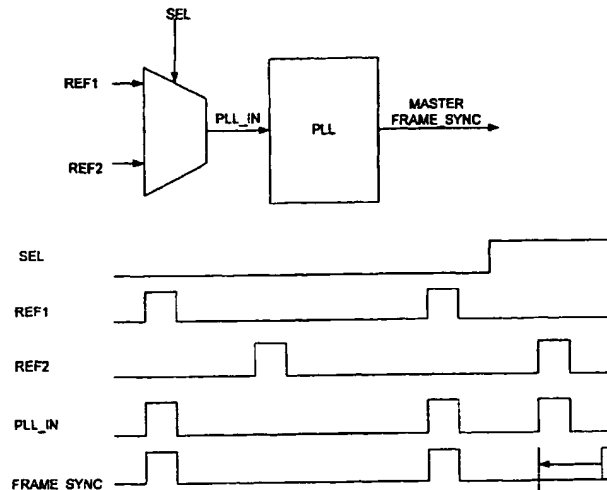
- (51) International Patent Classification<sup>7</sup>: H04L 7/00, H04Q 11/04
- (21) International Application Number: PCT/NO2002/000304
- (22) International Filing Date: 30 August 2002 (30.08.2002)
- (25) Filing Language: English
- (26) Publication Language: English
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- (81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Declarations under Rule 4.17:

— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,

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(54) Title: METHOD AND ARRANGEMENT FOR REDUCING PHASE JUMPS WHEN SWITCHING BETWEEN SYNCHRONISATION SOURCES



(57) Abstract: A method and an arrangement for reducing phase jumps in a frame synchronisation signal when switching between synchronisation reference sources are disclosed. A new reference signal to which each of the two reference sources (signals) are phase locked, and has frequency  $n$  times the respective reference signal, is generated. A selection signal selects the new reference signal to be used, and the selected one is then divided back to its original frequency creating an input signal to a phase-locked loop generating the resulting frame synchronisation signal. In this way, the maximum phase jumps are reduced from one period of the original reference signals to one period of the new reference signal. The invention is particularly applicable for reducing phase jumps on a master frame synchronisation signal in a PDH system.

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